

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-16. (cancelled)

~~17.~~ (currently amended) A communication system including a differential signal transmitter, the transmitter comprising:

 a DAC decoder circuit, the DAC decoder circuit outputting DAC control words corresponding to digital input signals;[[;]]

 a differential current mode driver cell array;

 a selection circuit, the selection circuit asserting control signals in operative response to DAC control words, the selection circuit placing individual cells of the current driver cell array into a first operational mode sensitive to a first metric or into a second operational mode sensitive to a second metric in response to a select signal.

~~18.~~ (original) The communication system according to claim ~~17~~, wherein the first metric corresponds to radiative emissions and wherein the second metric corresponds to power consumption.

~~19.~~ (original) The communication system according to claim ~~18~~, each differential current mode driver cell comprising:

 first and second current sources, each conducting an equal quanta of current;

 first and second differential pairs, each pair coupled to a respective current source;

 a pair of differential outputs, a first output connected to a first transistor comprising each of the differential pairs, a second output connected to a second transistor comprising each of the differential pairs; and

 four control signal inputs, each input controlling to a respective one of the transistors comprising the first and second differential pairs.

~~4~~ 20. (original) The communication system according to claim ~~19~~³, further comprising:

a first logic circuit connected to receive the DAC control word, the first logic circuit asserting control signals which operate a corresponding signal component output circuit in the first mode; and

a second logic circuit connected to receive the control word, the second logic circuit asserting control signals which operate a corresponding signal component output circuit in the second mode.

~~5~~ 21. (original) The communication system according to claim ~~20~~⁴, each differential current mode driver cell comprising:

first and second current sources, each conducting an equal quanta of current;

first and second differential pairs, each pair coupled to a respective current source;

a pair of differential outputs, a first output connected to a first transistor comprising each of the differential pairs, a second output connected to a second transistor comprising each of the differential pairs; and

a set of control signal inputs, each input of the set controlling a respective one of the transistors comprising the first and second differential pairs.

~~6~~ 22. (original) The communication system according to claim ~~21~~⁵, the first and second logic circuits each defining control signals in response to a DAC control word, said first and second differential pairs operatively responsive to said control signals to output a differential signal in either the first mode or the second mode.

~~7~~ 23. (original) The communication system according to claim ~~22~~⁶, wherein the DAC control word is the same when the first and second differential pairs output a differential signal in either the first mode or the second mode.

~~8~~ 24. (original) The communication system according to claim ~~23~~⁷, wherein the first mode is a Class-A mode and wherein the second mode is a Class-B mode.

25. (cancelled)